Embedded Industrial Automation
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The New Rugged PowerBrick - DV with dual DVI

PowerBrick- DV

The PowerBrick - DV is rugged industrial computer for dual independent video for 2 application at the same time. The system is designed to work in emergency vhicles and police command vhicles. One monitor can display map and other can dispatch information.

For public safety providers, the PowerBrick-DV system offers outstanding computing power, similar to a desktop system, while at the same time acting as a tool for incident / evidentiary documentation, surveillance and training.

The rugged and splash-proof Acutouch screen is especially designed for emergency and military vehicles. The screens are easy to use and readable in all lights. The screens are highly resistant to mechanical impact and to contamination from liquids and chemicals. Acura has in-house facilities and a wealth of experience in converting a multitude of screen brands into touch screens.

Applications

- Fire trucks - e.g. for mapping, Pre-fire and HAZMAT information access
- Other emergency vehicles
- Cash carriers
- Security and patrol vehicles
- Military vehicles

Features

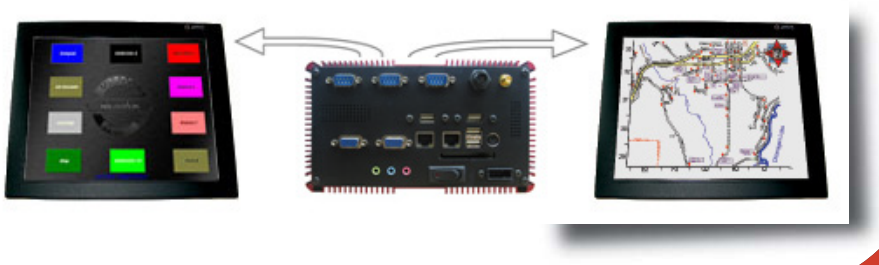
- Intel® Core™ Duo /Core™ 2 Duo processor
- Dual independent DVI/VGA
- 2.5" SATA Hard Driver
- DDR 2 RAM
- 2 x onboard 10/100/1000M lan
- 4 x USB /3 x RS232 port
- Audio Jacks
- 1 x PCMCIA/1 x Compact Flash II
- 802.11 b/g wireless (options)
- GPS/AVL (options)

Fire Departments

The PowerBrick - DV unit installed in the fire trucks provides quick access to maps as well as HAZMAT databases while at the same time recording live video from inside or outside the vessel.

Dual Video

Shown here is the dual video feature of the PowerBrick - DV. With this, multiple tasks can be done and seen simultaneously.



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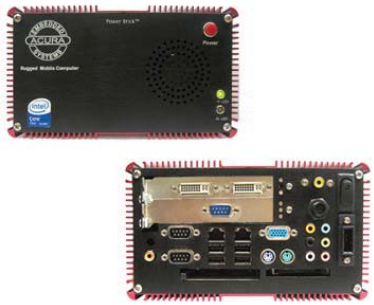
PowerBrick -



AcuTouch - 153M

SPECIFICATIONS

Processor	Intel® Core™ Duo /Core™ 2 Duo processor
Storage Media	80GB 2.5” SATA Hard drive
Video	Selectable up to 1600 x 1280
Audio	Audio Jacks
DVI Module	Dual independent DVI/VGA

Front Panel	Power Button
Back Panel	
Serial port	3 x RS232 COM port
USB port	4 x USB

Dimensions
Width x Height x Depth

7.60” x 4.35” x 8.15”

193 mm x 110 mm x 207 mm

OS Compatibility

Microsoft Window 2000, Win-XP (Professional Embedded, Lite) Red Hat Linux, Embedded Linux

Power 10- 30 Volt DC input

Environmental - Temperature Range - Powered on: 32° to 140° F (2° to 50° C) Powered off: -4° to 185°F (-20° to 80°C) Humidity - 20% to 80% non-condensing, Operating altitude range - 0 to 10,000 feet (0 to 3,050 meters),

SPECIFICATIONS

Pixel Pitch - (mm) 0.297 (H)x0.297 (V)
Number of Pixels - 1024x768
Contrast Ratio - 500:1
Display Color - 16.7M (8 Bits/Color)
Brightness - (CD/m^2) 250
Viewing Angle - (CR > =100) -60~60 (H); -55~45 (V)
Synchronization Range - Horizontal 31.5~68 Khz
Vertical 56~75Hz
Recommended Resolution - 1024x768@60Hz, 75Hz
Signal Connector - 15 pin D-sub

Power Source - 10- 30 Volt DC input
Power Consumption - 3W typical, normal operation
Plug & Play - VESA DDC 1/2B Optional Light sensor model
Optional Touch Screen, Resistive, Capacitive, Near Field Imaging Drivers,, MS-DOS, PC-DOS Windows 95, 98, ME Windows NT 4.0, 2000, XP, Linux

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